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PTO/SB/18 (08-00)

Approved for use through 10/31/2002. OMB 0651-0032

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UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>		Attorney Docket No. 282.033
		First Named Inventor David J. Beebe et al.
		Title Microfluidic Device For Drug Delivery
		Express Mail Label No. EV313037665US

APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i>		ADDRESS TO: Mail Stop - Box Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
<p>1. (X) Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original, and a duplicate for fee processing)</i></p> <p>2. (X) Applicant claims small entity status See 37 CFR 1.27</p> <p>3. (X) Specification [Total Pages 21] <i>(preferred arrangement set forth below, MPEP 1503.01)</i></p> <ul style="list-style-type: none"> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claims - Abstract of the Disclosure <p>4. (X) Drawing(s) (35 U.S.C. 113) [Total Sheets 4]</p> <p>5. (X) Oath or Declaration [Total Pages 2]</p> <ul style="list-style-type: none"> a. (X) Newly executed (original or copy) b. () Copy from a prior application (37 CFR 1.63 (d)) <i>(for continuation/divisional with Box 16 completed)</i> <p>i. () DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63 (d)(2) and 1.33 (b).</p> <p>6. () Application Data Sheet. See 37 CFR 1.76</p> <p>7. () CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p>		<p>8. () Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)</p> <ul style="list-style-type: none"> a. () Computer Readable Form (CRF) b. () Specification Sequence Listing on: <ul style="list-style-type: none"> i. () CD-ROM or CD-R (2 copies); or ii. () paper c. () Statement verifying identity of above copies
ACCOMPANYING APPLICATION PARTS		
<p>9. () Assignment Papers (cover sheet & document(s))</p> <p>10. () 37 CFR 3.73(b) Statement () Power of Attorney <i>(when there is an assignee)</i></p> <p>11. () English Translation Document <i>(if applicable)</i></p> <p>12. () Information Disclosure Statement (IDS)/PTO-1449 () Copies of IDS Citations</p> <p>13. () Preliminary Amendment</p> <p>14. (X) Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i></p> <p>15. () Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i></p> <p>16. () Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i) – Applicant must attach form PTO/SB/35 or its equivalent</p> <p>17. () Other: _____</p>		

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

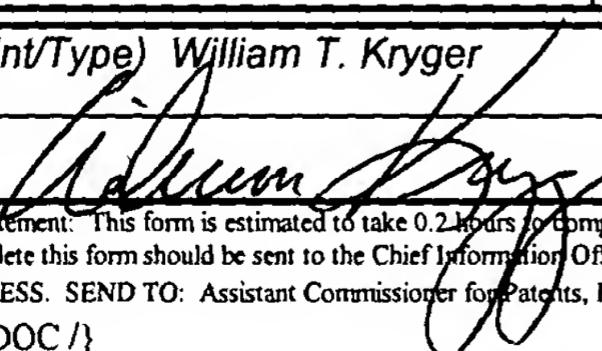
() Continuation () Divisional () Continuation-in-part (CIP) of prior application No: _____ / _____

Prior application information: Examiner _____

Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label		23598		or <input checked="" type="checkbox"/> Correspondence address below	
Name	Peter C. Stomma (Attorney of Record)				
Address	BOYLE, FREDRICKSON, NEWHOLM, STEIN & GRATZ S.C. 250 E. Wisconsin Avenue , Suite 1030				
City	Milwaukee	State	WI	Zip Code	53202
Country	USA	Telephone	(414) 225-9755		Fax (414) 225-9753
Name (Print/Type) William T. Kryger			Registration No. (Attorney/Agent) 53,163		
Signature 			Date August 13, 2003		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Design, Washington, DC 20231.

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19972 U.S.P.T.O.
10/640345
08/13/03

FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 420.00)

Complete if Known

Application Number	
Filing Date	
First Named Inventor	David J. Beebe et al.
Examiner Name	
Group Art Unit	
Attorney Docket No.	282.033

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account

Deposit Account Number 50-1170
 Deposit Account Name Boyle, Fredrickson, Newholm, Stein & Gratz S.C.

The Commissioner is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Applicant Claims Small Entity Status See 37 CFR 1.27
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
101	750	201	375
106	330	206	165
107	510	207	255
108	740	208	370
114	160	214	80
			375

SUBTOTAL (1) (\$ 375)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Extra Claims	Fee from below	Fee Paid
25	-20**=	5	X 9	= 45
3	-3**=	0	X 42	= -0-

Multiple Dependent

Large Entity	Small Entity	Fee Description
Fee Code	Fee (\$)	Fee Description
103	18	203 9 Claims in excess of 20
102	84	202 42 Independent claims in excess of 3
104	280	204 140 Multiple dependent claim, if not paid
109	84	209 42 **Reissue independent claims over original patent
110	18	210 9 **Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$45.00)

** or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity | Small Entity

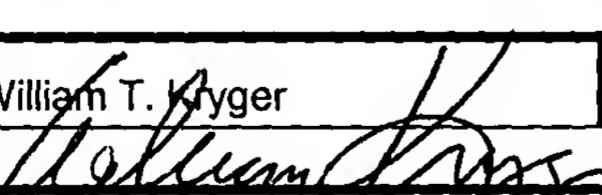
Fee	Fee	Fee	Fee	Fee Paid
105	130	205	65	Surcharge – late filing fee or oath
127	50	227	25	Surcharge – late provisional filing fee or cover sheet
139	130	139	130	Non-English specification
147	2,520	147	2,520	For filing a request for ex parte reexamination
112	920*	112	920*	Requesting publication of SIR prior to Examiner action
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action
115	110	215	55	Extension for reply within first month
116	400	216	200	Extension for reply within second month
117	920	217	460	Extension for reply within third month
118	1,440	218	720	Extension for reply within fourth month
128	1,960	228	980	Extension for reply within fifth month
119	320	219	160	Notice of Appeal
120	320	220	160	Filing a brief in support of an appeal
121	280	221	140	Request for oral hearing
138	1,510	138	1,510	Petition to institute a public use proceeding
140	110	240	55	Petition to revive – unavoidable
141	1,280	241	640	Petition to revive – unintentional
142	1,280	242	640	Utility issue fee (or reissue)
143	460	243	230	Design issue fee
144	620	244	310	Plant issue fee
122	130	122	130	Petitions to the Commissioner
123	50	123	50	Processing fee under 37 CFR 1.17(q)
126	180	126	180	Submission of Information Disclosure Stmt
581	40	581	40	Recording each patent assignment per property (times number of properties)
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))
179	740	279	370	Request for Continued Examination (RCE)
169	900	169	900	Request for expedited examination of a design application

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

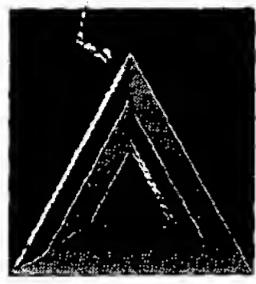
SUBTOTAL (3) (\$)

Complete (if applicable)

Name (Print/Type)	William T. Kyger	Registration No. (Attorney/Agent)	53,163	Telephone	(414) 225-9755
Signature		Date	August 13, 2003		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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August 13, 2003

Mail Stop - Box Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Utility Patent Application
Inventor(s): David J. Beebe et al.
Title: *Microfluidic Device For Drug Delivery*
USPTO Customer Account No.: 23598
Attorney Docket No.: 282.033

Dear Sir:

Enclosed is our check in the amount of \$420.00 in payment of the government filing fee for the enclosed United States patent application, which application includes 14 pages of specification, 25 claims on 6 sheets, 13 Figures on 4 Drawings sheet, and an Abstract of the Disclosure. A Utility Patent Application Transmittal and Fee Transmittal Form PTO/SB/17 (11/00) together with the filing fee are also enclosed. The Declaration and Power of Attorney is also included with the application.

Applicant is a small entity within the meaning of 37 CFR §§ 1.9 and 1.27 and hereby claims small entity status. The application has Federal Funding No. NASA NAG8-1672.

Mail Stop - Box Patent Application
Commissioner for Patents
August 13, 2003
Page 2

The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-1170.

Respectfully submitted,

By:

William T. Kryger, Reg. No. 53,163

Customer Account: 23598

Certification Under 37 CFR 1.10

Express Mail Label No: EV313038665US

Date of Deposit: August 13, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service in "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop - Box Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Christine Kierzek
Christine Kierzek

Certification Under 37 CFR 1.10

Express Mail Label No: **EV313038665US**

Date of Deposit: **August 13, 2003**

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Christine Kierzek
Christine Kierzek